

JC525

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| UTILITY PATENT APPLICATION TRANSMITTAL | |
| For new nonprovisional applications under 37 CFR 1.53(b)) | |

| | |
|------------------------|-----------------------------------------------------------------------------|
| Attorney Docket No. | 858610-2003.2 |
| First Inventor | De-Chu TANG |
| Title | IMMUNIZATION OF ANIMALS BY TOPICAL APPLICATION OF A SALMONELLA-BASED VECTOR |
| Express Mail Label No. | EV 001577656 US |

20/87/TQ

PTO

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. Specification (Pages 1-55) [Total Pages 60]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix.
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings *(if filed)*
 - Detailed Description
 - 39 Claim(s) (Pages 56-59)
 - Abstract of the Disclosure (Page 60)
4. Drawing(s)(35 U.S.C. 113) [Total Sheets 20]
5. Oath or Declaration [Total Pages 3]
 - a. New (unsigned)
 - b. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76.
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:
 - Continuation Divisional Continuation-in-part (CIP)
 - Prior application information: Examiner: J. Wojtach
 - of prior application No.: 09/563,826
 - Group/Art Unit: 1632

ADDRESS TO:
Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. CD-ROM or CD-R in duplicate, large table or Computer Program *(Appendix)*
8. Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all necessary)*
 - a. Computer Readable Form (CFR)
 - b. Specification sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. paper
 - c. Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & documents(s))
10. 37 CFR 3.73(b) Statement
- Power of Attorney
(when there is an assignee)
- English Translation Document *(if applicable)*
- Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
- Preliminary Amendment
- Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
- Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
- Request and Certification under 35 U.S.C. 122(b)(2)(B)(i).
Applicant must attach from PTO/SB/35 or its equivalent.
17. Other:

JC525 10/05/2002 PRO 01/18/02

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

| | | |
|-----------------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------|
| <input checked="" type="checkbox"/> Customer Number or Bar Code Label | 2099 (Insert Customer No. or Attach bar code label here) | or <input type="checkbox"/> Correspondence address below |
| Name | Thomas J. Kowalski | |

| | | | |
|-------------------|---------------------------|-----------------------------------|------------------|
| Name (Print/Type) | Thomas J. Kowalski | Registration No. (Attorney/Agent) | 32,147 |
| Signature | <i>Thomas J. Kowalski</i> | Date | January 18, 2002 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

CERTIFICATE OF MAILING - SEPARATE PAPER - PATENT APPLICATION

Attorney Docket No. : 858610-2003.2

Title : **IMMUNIZATION OF ANIMALS BY TOPICAL
APPLICATION OF A SALMONELLA-BASED VECTOR**

Filed : January 18, 2002

Applicant : De-Chu TANG et al.

Mailed : Via Express Mail Label #EV 001577656 US

I hereby certify that the following items are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to:

Commissioner for Patents
Washington, D.C. 20231
Box Application

Enclosed: Utility Application Transmittal
Fee Transmittal
Application for Patent
(60 total pages, 55 pages of specification numbered 1-55, 4 pages, p. 56-
59, of claims numbered 1-39, 1 page of abstract, p. 60)
Drawings (20 pages, Figures 1, 2A, 2B, 3A, 3B, 4, 5, 6, 7, 8A, 8B, 9, 10, 11, 12,
13, 14, 15, 16, 17, 18 and 19)
Declaration for Patent Application and Power of Attorney (unsigned)
Check Number 19491 in the amount of \$541.00
Return Receipt Postcard

Charles Jackson
Typed/printed name of person mailing paper or fee

Charles Jackson
Signature

FEE TRANSMITTAL

for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$541.00)

| Complete if Known | |
|----------------------|------------------|
| Application Number | To Be Assigned |
| Filing Date | January 18, 2002 |
| First Named Inventor | De-Chu TANG |
| Examiner Name | To Be Assigned |
| Group/Art Unit | To Be Assigned |
| Attorney Docket No. | 858610-2003.2 |

METHOD OF PAYMENT

1.

The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

| |
|-----------------------------|
| Frommer Lawrence & Haug LLP |
| 50-0320 |

Charge any Additional Fee Required Under 37 CFR 1.16 and 1.17

 Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance2.

Payment Enclosed

Check

Money Order

Other

FEE CALCULATION

1. BASIC FILING FEE

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description | Fee Paid |
|---------------------|-----------------|----------------|-----------------|------------------------|----------|
| 101 | 740 | 201 | 370 | Utility filing fee | 370.00 |
| 106 | 330 | 206 | 165 | Design filing fee | |
| 107 | 510 | 207 | 255 | Plant filing fee | |
| 108 | 740 | 208 | 370 | Reissue filing fee | |
| 114 | 160 | 214 | 80 | Provisional filing fee | |
| SUBTOTAL (1) | | | | | 370.00 |

2. EXTRA CLAIM FEES

| Total Claims | 39 | -20** = | Extra Claim | Fee from below | Fee Paid |
|--------------------|----|---------|-------------|----------------|----------|
| Ind. Claims | 1 | -3*** = | 19 | X 9 | 171.00 |
| Multiple Dependent | | | 0 | X 0 | 0 |
| | | | | X 0 | 0 |

** or number previously paid, if greater; for reissues, see below

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description |
|---------------------|-----------------|----------------|-----------------|------------------------------------------------------------|
| 103 | 18 | 203 | 9 | Claims in excess of 20 |
| 102 | 84 | 202 | 42 | Independent claims in excess of 3 |
| 104 | 280 | 204 | 140 | Multiple dependent claim, if not paid |
| 109 | 84 | 209 | 42 | ** Reissue independent claims over original patent |
| 110 | 18 | 210 | 9 | ** Reissue claims in excess of 20 and over original patent |
| 107 | 510 | 207 | 255 | Plant filing fee |
| SUBTOTAL (2) | | | | (\$171.00) |

3. ADDITIONAL FEES

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description | Fee Paid |
|---------------------|-----------------|----------------|-----------------|----------------------------------------------------------------------------|----------|
| 105 | 130 | 205 | 65 | Surcharge - late filing fee or oath | |
| 127 | 50 | 227 | 25 | Surcharge - late provisional filing fee or Cover sheet | |
| 139 | 130 | 139 | 130 | Non-English specification | |
| 147 | 2,520 | 147 | 2,520 | For filing a request of reexamination | |
| 112 | 920* | 112 | 920* | Requesting publication of SIR prior to Examiner action | |
| 113 | 1,840* | 113 | 1,840* | Requesting publication of SIR after Examiner action | |
| 115 | 110 | 215 | 55 | Extension for reply within first month | |
| 116 | 400 | 216 | 200 | Extension for reply within second month | |
| 117 | 920 | 217 | 460 | Extension for reply within third month | |
| 118 | 1,440 | 218 | 720 | Extension for reply within fourth Month | |
| 128 | 1,960 | 228 | 980 | Extension for reply within fifth month | |
| 119 | 320 | 219 | 160 | Notice of Appeal | |
| 120 | 320 | 220 | 160 | Filing a brief in support of an appeal | |
| 121 | 280 | 221 | 140 | Request for oral hearing | |
| 138 | 1,510 | 138 | 1,510 | Petition to institute a public use Proceeding | |
| 140 | 110 | 240 | 55 | Petition to revive - unavoidable | |
| 141 | 1,280 | 241 | 640 | Petition to revive- unintentional | |
| 142 | 1,280 | 242 | 640 | Utility issue fee (or reissue) | |
| 143 | 460 | 243 | 230 | Design issue fee | |
| 144 | 620 | 244 | 310 | Plant issue fee | |
| 122 | 130 | 122 | 130 | Petitions to the Commissioner | |
| 123 | 50 | 123 | 50 | Petitions related to provisional Applications | |
| 126 | 180 | 126 | 180 | Submission of Information Disclosure Statement | |
| 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) | |
| 146 | 740 | 246 | 370 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 149 | 740 | 249 | 370 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| Other fee (specify) | | | | | |
| Other fee (specify) | | | | | |
| | | | | SUBTOTAL (3) | (\$0.00) |

* Reduced by Basic Filing Fee

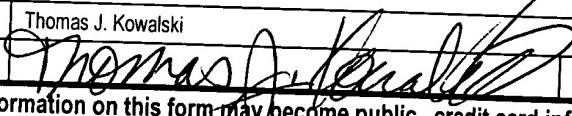
SUBMITTED BY

Typed or Printed Name

Thomas J. Kowalski

Complete (if applicable)

Signature



Reg. Number

32,147

Date

1/18/02

Deposit Account

50-0320

WARNING: Information on this form may become public. Credit card information should not be included on this form.
Provide credit card information and authorization on PTO-2038.

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